

**§ 95.623**

462.6500, 462.6625, 462.6750, 462.6875, 462.7000, 462.7125, 462.7250, 467.5500, 467.5750, 467.6000, 467.6250, 467.6500, 467.6750, 467.7000, and 467.7250.

NOTE: Certain GMRS transmitter channel frequencies are authorized only for certain station classes and station locations. See part 95, subpart A.

(b) Each GMRS transmitter for mobile station, small base station and control station operation must be maintained within a frequency tolerance of 0.0005%. Each GMRS transmitter for base station (except small base), mobile relay station or fixed station operation must be maintained within a frequency tolerance of 0.00025%.

[53 FR 47718, Nov. 25, 1988]

**§ 95.623 R/C transmitter channel frequencies.**

(a) The R/C transmitter channel frequencies are:

	MHz
26.995	72.61
27.045	72.63
27.095	72.65
27.145	72.67
27.195	72.69
27.255	72.71
72.01	72.73
72.03	72.75
72.05	72.77
72.07	72.79
72.09	72.81
72.11	72.83
72.13	72.85
72.15	72.87
72.17	72.89
72.19	72.91
72.21	72.93
72.23	72.95
72.25	72.97
72.27	72.99
72.29	75.41
72.31	75.43
72.33	75.45
72.35	75.47
72.37	75.49
72.39	75.51
72.41	75.53
72.43	75.55
72.45	75.57
72.47	75.59
72.49	75.61
72.51	75.63
72.53	75.65
72.55	75.67
72.57	75.69
72.59	75.71

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75.73	75.87
75.75	75.89
75.77	75.91
75.79	75.93
75.81	75.95
75.83	75.97
75.85	75.99

NOTE: Certain R/C transmitter channel frequencies are authorized to operate only certain kinds of devices (see part 95, subpart C.)

(b) Each R/C transmitter that transmits in the 26–27 MHz frequency band with a mean TP of 2.5 W or less and that is used solely by the operator to turn on and/or off a device at a remote location, other than a device used solely to attract attention, must be maintained within a frequency tolerance of 0.01%. All other R/C transmitters that transmit in the 26–27 MHz frequency band must be maintained within a frequency tolerance of 0.005%. Except as noted in paragraph (c) of this section, R/C transmitters capable of operation in the 72–76 MHz band must be maintained within a frequency tolerance of 0.005%.

(c) All R/C transmitters capable of operation in the 72–76 MHz band that are manufactured in or imported into the United States, on or after March 1, 1992, or are marketed on or after March 1, 1993, must be maintained within a frequency tolerance of 0.002%. R/C transmitters operating in the 72–76 MHz band and marketed before March 1, 1993, may continue to be operated with a frequency tolerance of 0.005% until March 1, 1998.

[53 FR 36789, Sept. 22, 1988; 53 FR 52713, Dec. 29, 1988; 56 FR 15837, Apr. 18, 1991]

**§ 95.625 CB transmitter channel frequencies.**

(a) The CB transmitter channel frequencies are:

Channel No.	(MHz)
1 .....	26.965
2 .....	26.975
3 .....	26.985
4 .....	27.005
5 .....	27.015
6 .....	27.025
7 .....	27.035
8 .....	27.055
9 .....	27.065
10 .....	27.075
11 .....	27.085
12 .....	27.105
13 .....	27.115
14 .....	27.125

Channel No.	(MHz)
15 .....	27.135
16 .....	27.155
17 .....	27.165
18 .....	27.175
19 .....	27.185
20 .....	27.205
21 .....	27.215
22 .....	27.225
23 .....	27.255
24 .....	27.235
25 .....	27.245
26 .....	27.265
27 .....	27.275
28 .....	27.285
29 .....	27.295
30 .....	27.305
31 .....	27.315
32 .....	27.325
33 .....	27.335
34 .....	27.345
35 .....	27.355
36 .....	27.365
37 .....	27.375
38 .....	27.385
39 .....	27.395
40 .....	27.405

(b) Each CB transmitter must be maintained within a frequency tolerance of 0.005%.

#### § 95.627 FRS unit channel frequencies.

(a) The FRS unit channel frequencies are:

Channel No.	(MHz)
1 .....	462.5625
2 .....	462.5875
3 .....	462.6125
4 .....	462.6375
5 .....	462.6625
6 .....	462.6875
7 .....	462.7125
8 .....	467.5625
9 .....	467.5875
10 .....	467.6125
11 .....	467.6375
12 .....	467.6625
13 .....	467.6875
14 .....	467.7125

(b) Each FRS unit must be maintained within a frequency tolerance of 0.00025%.

[61 FR 28769, June 6, 1996]

#### § 95.628 MICS transmitter.

(a) *Frequency monitoring.* Medical implant programmer/control transmitters must incorporate a mechanism for monitoring the channel or channels that the MICS system devices intend to occupy. The monitoring system antenna shall be the antenna normally used by the programmer/control transmitter for a communications session.

Before a medical implant programmer/control transmitter initiates a MICS communications session, the following access criteria must be met:

(1) The monitoring system bandwidth measured at its 20 dB down points must be equal to or greater than the emission bandwidth of the intended transmission.

(2) Within 5 seconds prior to initiating a communications session, circuitry associated with a medical implant programmer/control transmitter must monitor the channel or channels the MICS system devices intend to occupy for a minimum of 10 milliseconds per channel.

(3) Based on use of an isotropic monitoring system antenna, the monitoring threshold power level must not be more than  $10\log B(\text{Hz}) - 150 \text{ (dBm/Hz)} + G(\text{dBi})$  where B is the emission bandwidth of the MICS communication session transmitter having the widest emission and G is the medical implant programmer/control transmitter monitoring system antenna gain relative to an isotropic antenna. For purposes of showing compliance with the above provision, the above calculated threshold power level must be increased or decreased by an amount equal to the monitoring system antenna gain above or below the gain of an isotropic antenna, respectively.

(4) If no signal in a MICS channel above the monitoring threshold power level is detected, the medical implant programmer/control transmitter may initiate a MICS communications session involving transmissions to and from a medical implant device on that channel. The MICS communications session may continue as long as any silent period between consecutive data transmission bursts does not exceed 5 seconds. If a channel meeting the criteria in paragraph (a)(3) of this section is unavailable, the channel with the lowest ambient power level may be accessed.

(5) When a channel is selected prior to a MICS communications session, it is permissible to select an alternate channel for use if communications is interrupted, provided that the alternate channel selected is the next best choice using the above criteria. The alternate channel may be accessed in the